

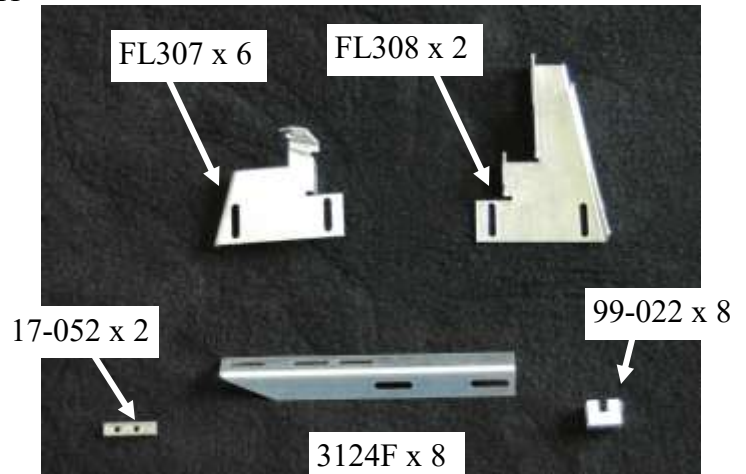
Tools Required

- Ratchet
- 6" Extension
- 10mm Socket
- 1/2" Socket
- 1/2" Wrench
- 1/8" Allen Wrench
- Screwdriver
- Vise Grip Pliers
- Drill with 3/8" Nut Driver
- Tape Measure
- Loctite (Blue)

Hardware Included

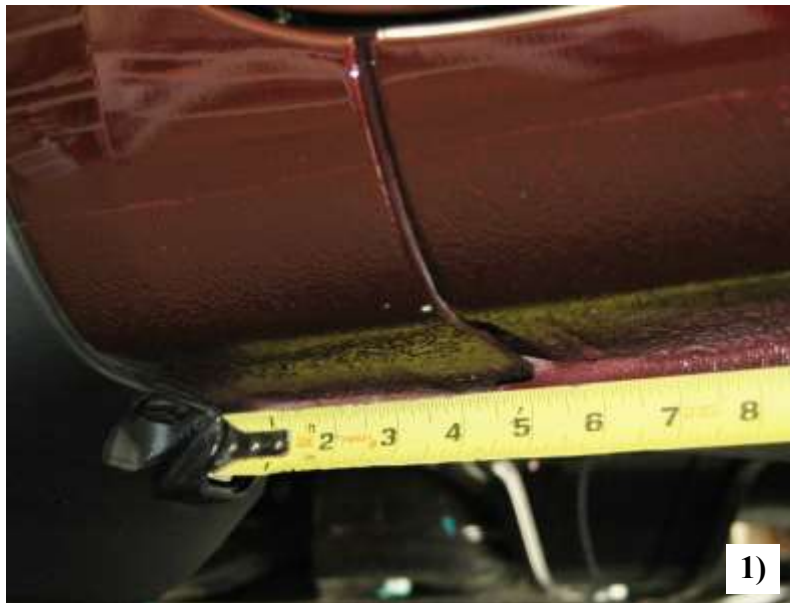
- BRACKETS
SHOW ON RIGHT
- 1- BOLT PACK

No Drilling into Vehicle is Required



Torque Specification:

M6 Bolt - 8 Ft Lbs.
5/16" Bolt - 19 Ft Lbs.
1/4" Set Screw - 10 Ft Lbs.



Estimated time of
Installation:
35 minutes

- 1) Measure back from front wheel well as seen in **Picture 1**, at the distance of 13-1/2", 29-1/4", 45" and 68" you will see M6 bolts at 13-1/2", 29-1/4", 45" locations on the underside of body just behind the pinch weld, and a round hole at 68" location on inside rocker panel. This is where the brackets top tab will be placed.

Mark with a marker on pinch weld at the following dimensions this will be the centers of the 99-022 pinch weld clamps.

Driver side Positions: 1st = 14-1/2", 2nd = 30-1/2", 3rd = 45-3/4", 4th = 68"

Passenger side Positions: 1st = 12-1/2", 2nd = 28-1/8", 3rd = 44-1/2", 4th = 68-1/4"

Pinch Weld Clamp 99-022

1/4" Set Screw

1/8" Allen Wrench

Vice-Grip Pliers

2)

- 2) At each center mark, mount the pinch weld clamp 99-022. Tighten the set screws with 1/8" Allen wrench holding with pair of vise grips for leverage.

The use of Loctite on all set screws is highly recommended to insure they do not loosen up.

Make sure set screws are as tight as possible.

M6 Bolt

FL307

3)

Pinch Weld

- 3) Remove the M6 bolt on the underside of vehicle. For the first three positions with 10mm socket. Place the FL307 bracket up to hole where bolt was removed and replace the M6 bolt through the top tab of the FL307 bracket.

Leave bolts loose for later adjustment.

Pinch Weld Clamp 99-022

FL307

4)

- 4) Align the rear slot on the FL307 with the tapped hole in the 99-022 pinch weld clamp mounted onto the vehicle pinch weld. Thread a 5/16 x 3/4" Flange bolt through the slot of the FL307 and into the tapped hole in pinch weld clamp.

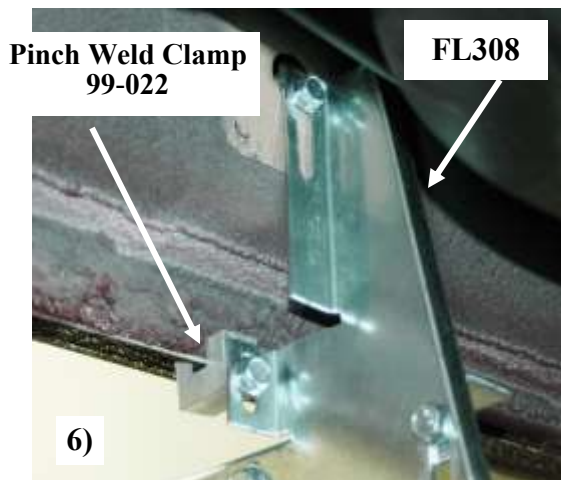
Tighten both the 5/16" bolt and the M6 bolt at this time.



- 5A) Remove the rubber plug in the rear of rocker panel at 68" with a screw driver.

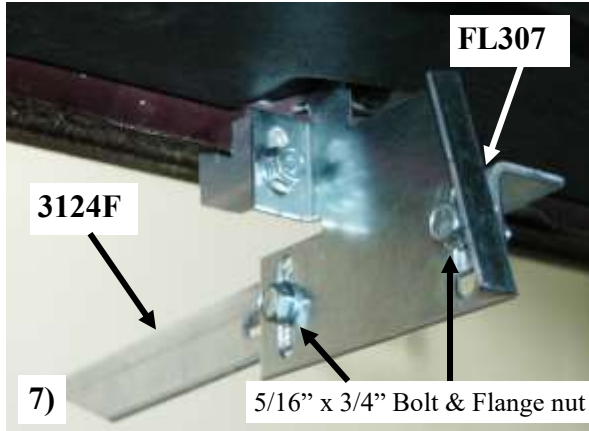


- 5B) Place a 5/16" x 3/4" flange bolt through the top slots on the FL308 bracket and thread a couple threads into 17-052 re-enforcement nut. **Picture 5B**



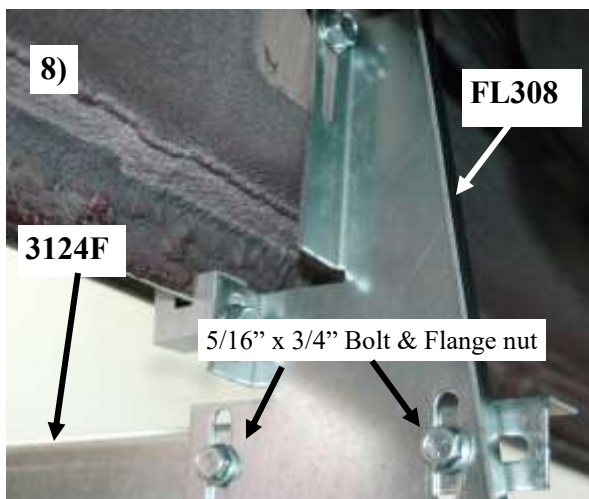
- 6) Slide the 17-052 re-enforcement nut into round hole in rear rocker panel. Snug up bolt so bracket is up against the back of the rocker panel. Align the rear slot on the FL308 with the tapped hole in the 99-022 pinch weld clamp mounted onto the vehicle pinch weld. Thread a 5/16 x 3/4" Flange bolt through the slot and into the tapped hole in pinch weld clamp. **Picture 6**

Repeat step 3 through 6 on passenger side of vehicle



- 7) Attach a 3124F angle bracket to the FL307 with 5/16" bolts and nuts. Snug but do not tighten at this time. **Picture #7**

Repeat on all 6 locations.



- 8) Attach a 3124F angle bracket to the FL308 with 5/16" bolts and nuts. Snug but do not tighten at this time. **Picture #8**

Repeat on both rear locations.



- 9A) Using self drilling screws attach the board to the angle brackets making sure you are drilling into steel mounting pads. Level board and tighten any remaining loose bolts at this time. **Picture #9A**

For Fiberglass



- 9B) Position board where you want it. Install self tapping screws through bracket into the shoulder of the steel channel on the bottom of the board. **Picture #9B**

For Plastic



For Fiberglass



For Plastic